

Series: SMD Ceramic Type (2x3mm)

Colour: white

Sloan Part No.: SMD-W01N-BV W

Electrical and Optical Characteristics ($T_A = 25^\circ\text{C}$)

Chip			Lens	Absolute Maximum Ratings				Electro-Optical-Data's at 20mA					Viewing Angle 2 θ ½ (deg)
Emitted Colour	Chromaticity Coordinates	Colour Temperature (°K)		Δλ (nm)	Pd (mW)	If (mA)	Peak If (mA)	Forward Voltage Vf (V)		Luminous Intensity Iv (mcd)			
								min.	max.	min.	typ.	max.	
white	x=0.28 - 0.33 y=0.28 - 0.36	5500-9000	water clear	-	123	35	110	3.2	3.5	880	1320	1760	110°

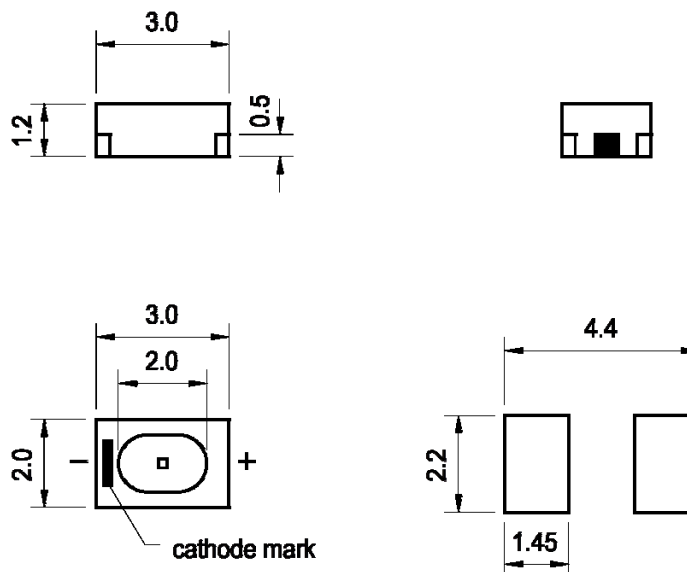
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)

Absolute Maximum Ratings ($T_A = 25^\circ\text{C}$)

Reverse Voltage	5V
Reverse Current ($V_R = 5V$)	$\leq 50\mu\text{A}$
Operating Temperature Range	- 30°C ~ +85°C
Storage Temperature Range	- 40°C ~ +100°C
Soldering Temperature	Reflow Soldering: 260°C for 10 seconds Hand Soldering: 350°C for 3 seconds

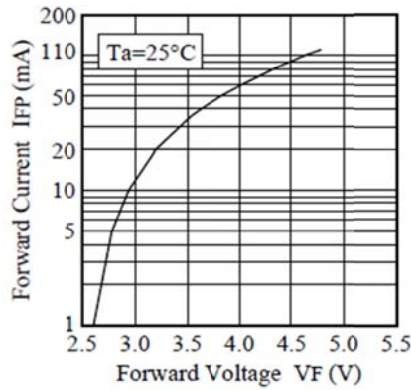
2500pcs. / reel

Package Dimensions

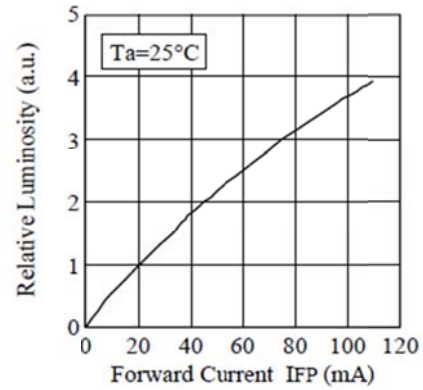


1. All dimensions are in millimetres.
2. Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified.
3. Specifications are subject to change without notice.

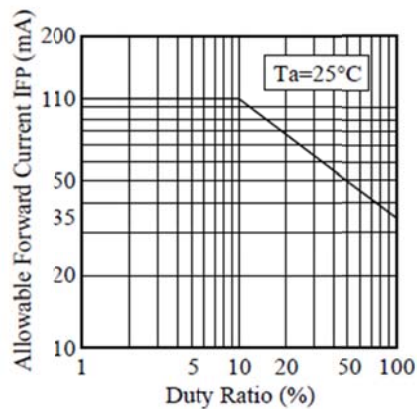
■ Forward Voltage vs.
Forward Current



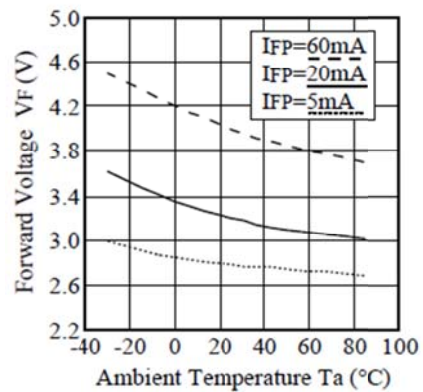
■ Forward Current vs.
Relative Luminosity



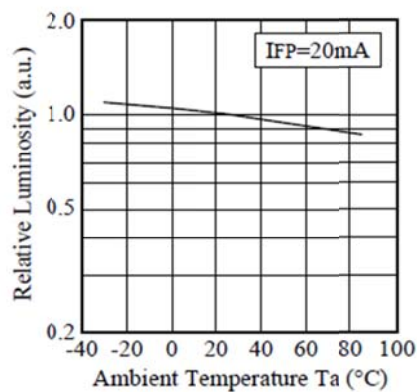
■ Duty Ratio vs.
Allowable Forward Current



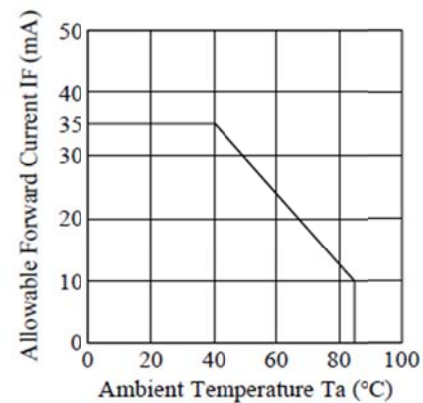
■ Ambient Temperature vs.
Forward Voltage



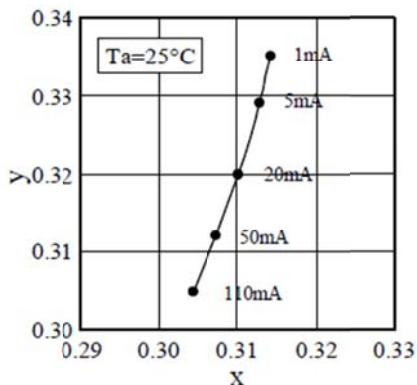
■ Ambient Temperature vs.
Relative Luminosity



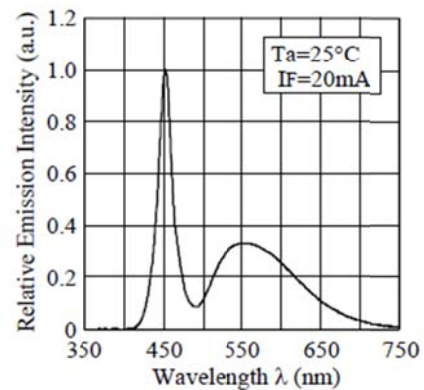
■ Ambient Temperature vs.
Allowable Forward Current



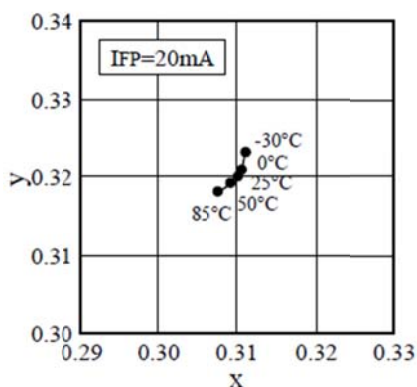
■ Forward Current vs.
Chromaticity Coordinate



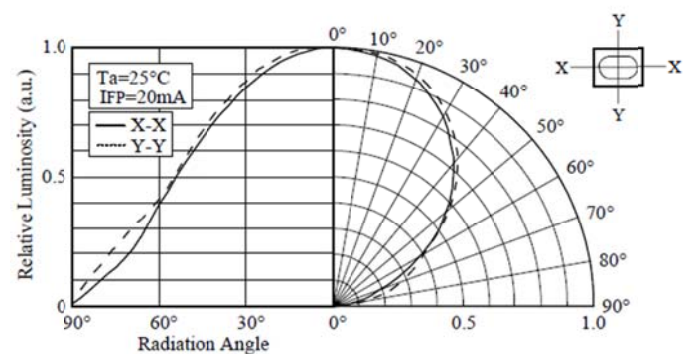
■ Spectrum



■ Ambient Temperature vs.
Chromaticity Coordinate



■ Directivity



Recommended soldering conditions:

	Reflow Soldering		Hand Soldering	
	Lead Solder	Lead-free Solder	Temperature	
Pre-heat	120 ~ 150°C	180 ~ 200°C	Soldering time	350°C Max. 3 sec. Max. (one time only)
Pre-heat time	120 sec. Max.	120 sec. Max.		
Peak temperature	240°C Max.	260°C Max.		
Soldering time	10 sec. Max.	10 sec. Max.		
Condition	refer to Temperature - profile ①.	refer to Temperature - profile ②. (N_2 reflow is recommended.)		